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TEXTILE ORGANON

Volume 59, No. 11 ☐ November 1988

A publication of *Textile Economics Bureau Inc.*

Highlights

- 1988 Directory of American Fiber Manufacturers... begins on page 239.
- Third Quarter 1988 Production, Shipments and Ending Stocks... begins on page 252.

SHIPMENTS:

Total man-made fiber shipments in October were 808 million pounds, or 5% more than the 771 million pounds shipped in the previous month. Cellulosic fiber shipments at 53 million pounds were 2% above September's level and noncellulosic fiber shipments at 755 million pounds were ahead 5%.

For the year to date, total shipments at 7,582 million pounds were 114 million pounds or 2% above the 1987 period.

The products showing the largest gains over September are polyester staple up 25 million pounds, and polyester textile yarn and nylon staple each up 8 million pounds. Declines were shown by olefin yarn down 6 million pounds and acrylic staple down 3 million pounds.

TABLE 1:
TOTAL U.S. MAN-MADE FIBER SHIPMENTS
MILLION POUNDS & *PERCENT CHANGE*

ITEM	1988 OCT	1988 SEP	% CHG 10-88/9-88	1987 OCT	% CHG 10-88/10-87	YEAR TO DATE 1988	YEAR TO DATE 1987	% CHG YTD 1988/1987
CELLULOSIC								
YARN	18.6	18.1	*+2.8*	17.1	*+8.8*	179.7	157.1	*+14.4*
RAYON STAPLE	34.8	34.3	*+1.5*	36.5	*-4.7*	349.4	346.1	*+1.0*
TOTAL CELLULOSIC	**53.4**	**52.4**	***+1.9***	**53.6**	***-0.4***	**529.1**	**503.2**	***+5.1***
NONCELLULOSIC								
YARN+MONOFILAMENT								
NYLON - INDUSTRIAL	29.9	29.2	*+2.4*	31.7	*-5.7*	310.1	312.7	*-0.8*
- CARPET	87.8	87.1	*+0.8*	78.1	*+12.4*	817.8	804.3	*+1.7*
- TEXTILE[a]	32.9	32.0	*+2.8*	30.1	*+9.3*	316.2	316.5	*-0.1*
POLYESTER - INDUSTRIAL	31.4	29.5	*+6.4*	30.3	*+3.6*	298.7	282.9	*+5.6*
- TEXTILE[a]	77.5	69.1	*+12.2*	70.9	*+9.3*	699.2	701.7	*-0.4*
OLEFIN	99.6	105.1	*-5.2*	99.7	*-0.1*	1002.7	936.7	*+7.0*
TOTAL YARN	**359.1**	**352.0**	***+2.0***	**340.8**	***+5.4***	**3444.7**	**3354.8**	***+2.7***
STAPLE+TOW+FIBERFILL								
NYLON	89.6	81.3	*+10.2*	88.4	*+1.4*	808.0	848.0	*-4.7*
ACRYLIC+MODACRYLIC	48.8	51.8	*-5.8*	51.4	*-5.1*	491.0	498.9	*-1.6*
POLYESTER	228.3	203.1	*+12.4*	205.3	*+11.2*	2007.7	1960.6	*+2.4*
OLEFIN	29.0	30.2	*-4.0*	31.3	*-7.3*	301.0	302.2	*-0.4*
TOTAL STAPLE	**395.7**	**366.4**	***+8.0***	**376.4**	***+5.1***	**3607.7**	**3609.7**	***-0.1***
TOTAL NONCELLULOSIC	**754.8**	**718.4**	***+5.1***	**717.2**	***+5.2***	**7052.4**	**6964.5**	***+1.3***
TOTAL MAN-MADE FIBER	**808.2**	**770.8**	***+4.9***	**770.8**	***+4.9***	**7581.5**	**7467.7**	***+1.5***
TOTAL SHIPMENTS DIVIDED AS -								
DOMESTIC SHIPMENTS[b]	752.0	716.9	*+4.9*	722.6	*+4.1*	7082.3	7008.1	*+1.1*
EXPORTS[c]	56.2	53.9	*+4.3*	48.2	*+16.6*	499.2	459.6	*+8.6*

a. Includes low denier industrial yarn.
b. Includes olefin exports.
c. Excludes olefin exports.

Textile Organon

A Monthly Review

NOVEMBER 1988

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1988 DIRECTORY OF AMERICAN FIBER MANUFACTURERS

NOTES & DEFINITIONS

This directory of producers is divided into the following categories:

(1) Cellulosic and Noncellulosic Fibers
(2) Olefin Fiber
(3) Glass Fiber

The locality shown represents a plant site. Unless shown separately, the Head Sales Office address is the same as the Executive Office address.

The generic fiber names used in this survey are those established by the U.S. Federal Trade Commission (FTC). The *italicized* words are trademarks. All other fiber names are generic and appear in regular type.

o Indicates a company producing olefin fiber as well as other man-made fiber(s). For example, Ametek produces olefin fiber (page 240) as well as nylon, polyester and saran.

* Indicates a new plant, in the planning stage or under construction, or a new facility for producing a new product at an existing plant. Such facilities are not expected to be operable before 1989.

Yarn means filament yarn.
Monofil means an extruded monofilament and may be either a round or a rectangular (ribbon) cross-section. Monofilaments for bristles are excluded.
Film includes **Slit:** tape produced by slitting an already-attenuated wide sheet of olefin film; and **Split:** fibrillated slit film.
Not included in this survey is the slit film used for decorative or tying ribbon and such.
Rope includes braided and twisted rope as well as filler or core fiber.
Cordage is under 3/16" and includes tying and harvest (baler and binder) twine.
Industrial Goods means bags, bale wrap and protective covers, agricultural cloth, tarps and pool covers, etc.
Captive means that most or all of the fiber produced is consumed by the company in a vertical operation.

GENERIC NAMES

The following are generic names, in **bold** type, and a brief description of the fibers covered by each name shown in regular type.

GLASS FIBER

This fiber is made in two primary forms: continuous strand and staple sliver. Continuous strand is drawn fiber (i.e., from a textile-type bushing), while staple sliver, which is produced in relatively small amounts, is a blown fiber. Glass fiber thus ***does not*** include the substantial quantities of blown glass wool and pack, e.g., mat for air & liquid filtration, acoustical & thermal insulation, battery mats & separators and underground pipe wrap (except reinforcing).

Yarn & Strand: Continuous filament yarn and strand packaged for sale as such. Includes the yarn and strand used in the manufacture of nonwoven scrim for sale as such.
Roving: Two or more ends of untwisted strand. Includes spun strand roving (a single, continuous strand looped back on itself to give the equivalent of two or more strands) and roving for making woven roving
Mat: Mat in any nonwoven form as made from a continuous filament, i.e., continuous strand mat (filaments bonded with a suitable binder to form a membrane) and chopped strand mat (1/2" to 3" strands deposited in a random manner and resin bonded).
Chopped: Chopped yarn, strand or roving (1/4" to 3-3/4" length).
Milled: Hammer-milled yarn, strand or roving (1/32" to 1/4" length).
Staple Yarn & Sliver: A blown fiber, as noted, and means ribbons of generally parallel glass staple (3" to 15" random lengths) with or without a filament yarn reinforcement, with or without a binder, and slightly condensed to an approximately uniform cross section.

CELLULOSIC (ARTIFICIAL) FIBERS

Acetate: Cellulosic acetate. Cigarette filtration tow is excluded.
Triacetate: Cellulose acetate, wherein not less than 92% of the hydroxyl groups are acetylated.
Rayon: Regenerated cellulose, including substitutions for not more than 15% of the hydrogens of the hydroxyl groups. Includes high wet modulus fiber.
Cupra: Cuprammonium rayon.
The viscose rayon yarns are identified as **Ind** (industrial or high tenacity yarn) and **reg** (regular or textile yarn).

NONCELLULOSIC (SYNTHETIC) FIBERS

Acrylic: At least 85% acrylonitrile by weight.
Modacrylic: 35% to 84% acrylonitrile by weight, except when it qualifies as rubber.
Nylon: A long-chain synthetic polyamide in which less than 85% of the amide linkages are attached directly to two aromatic rings. The types are identified as 6, 66, etc. Where a company produces both type 6 and type 66, the designation 6/66 is used.
Aramid: A long-chain synthetic polyamide in which at least 85% of the amide linkages are attached directly to two aromatic rings.
Olefin: At least 85% ethylene, propylene or other olefin units by weight, except amorphous (noncrystalline) polyolefins qualifying as rubber. **E** means Polyethylene and **P** means Polypropylene. Also see adjoining notes on olefin fiber.
PBI: A long chain having recurring imidazole groups.
Polyester: At least 85% by weight of an ester of a substituted aromatic carboxylic acid, including but not restricted to substituted terephthalic units, and parasubstituted hydroxybenzoate units.
Saran: At least 80% vinylidene chloride by weight.
Spandex: At least 85% of segmented polyurethane.
Vinyon: At least 85% vinyl chloride by weight.

Other man-made fibers included in this survey, but not listed by the FTC, are Polycarbonate and **TFE-** & **FEP-**fluorocarbon.

Not covered in this survey are fibers which would fall under the FTC's generic designations of rubber, lastrile, metallic and novoloid. Fibers falling under the FTC designations of anidex, azelon and nytril are not produced in the United States.

Carbon fibers are not included in this survey.

ALBANY INTERNATIONAL-MONOFILAMENT PLANT ●

EXECUTIVE OFFICE: 156 South Main Street, Homer, NY 13077

Fluoro	Homer, NY *Halar, Kynar, Teflon, Tefzel* (monofil)
Nylon 6/66/612	Homer (monofil)
Polyester	Homer (monofil-regular & hydrolysis-resistant)

ALLIED-SIGNAL INC. ENGINEERED MATERIALS SECTOR, FIBERS DIVISION ●

EXECUTIVE OFFICE: 1411 Broadway, New York, NY 10018
REGIONAL SALES: 400 North Tustin Avenue, Santa Ana, CA 92705
2100 Fiber Park Drive, Dalton, GA 30720
64 South Miller Road, Akron, OH 44313

Nylon 6	Columbia, SC & Hopewell, VA *A.C.E., Anso, Anso-Tex, Anso IV HP, Anso V Worry Free, Anso X, Caplana, Caprolan, Caprolan 2000 Sea Gard, Caprolan 2000 Stay Gard, Capima, Captiva, Compet, Creme De Captiva, Hydrofil, Iron Clad, Patina, Sea Gard, TEC* (yarn, monofil & staple)
Polyester	Moncure, NC *A.C.E., A.C.E. Sea Gard, Compet, Stay Gard* (yarn & monofil)

AMERICAN CYANAMID COMPANY, FIBERS DIVISION

EXECUTIVE OFFICE: One Cyanamid Plaza, Wayne, NJ 07470
REGIONAL SALES: 350 Fifth Avenue, Suite 2602, New York, NY 10118
P.O. Box 32787, Charlotte, NC 28232

Acrylic	Milton, FL *Creslan* (staple & tow)

AMERICAN POLYCRAFT, INC. ●

EXECUTIVE OFFICE: P.O. Box 3603, Dalton, GA 30721

Nylon 6	Dalton, GA (yarn)

AMETEK INC., SPECIAL FILAMENTS DIVISION ●

EXECUTIVE OFFICE: Box 339, Odenton, MD 21113

Nylon 6/66/612/11	Odenton, MD (monofil)
Polyester	Odenton (monofil)
Saran	Odenton (monofil)

AVTEX FIBERS INC. ●

EXECUTIVE OFFICE: Bldg. 200, Berwyn Park, Cassatt Road, P.O. Box 880, Valley Forge, PA 19482
SALES OFFICE: 1185 Avenue of the Americas, New York, NY 10036
REGIONAL SALES: 1 Fairview Plaza, 5950 Fairview Road, Suite 501, Charlotte, NC 28210

Polyester	Lewistown, PA *Avlin* (yarn)
Rayon	Front Royal, VA *Aviloc, Avril, Avril II, Avril III, Avril Prima, Fibers 40 & 43* (ind yarn & staple)

BASF CORPORATION FIBERS DIVISION

EXECUTIVE OFFICE: P.O. Drawer D, Williamsburg, VA 23187
REGIONAL SALES: 5505 East Carson Street, Suite 205, Lakewood, CA 90713
500 Holiday Avenue, Dalton, GA 30720
111 West 40th Street, New York, NY 10018
Four Seasons Executive Center, 3A Terrace Way, Greensboro, NC 27403

Acrylic	Williamsburg, VA *Zefkrome, Zefran* (staple)
Nylon 6	Enka, NC; Anderson & Central, SC & Lowland, TN *Crepeset, Shimmereen, Vivana, Zefsport, Zeftron, Zeftron 500, Zeftron 500 ZX* (yarn & staple)
Polyester	Lowland, TN *Golden Glow, Golden Touch, Silky Touch, Strialine, Ultra Touch* (yarn)
Rayon	Lowland, TN *Zantrel, Zantrel Plus* (staple)

BASF Corporation has carpet yarn spinning plants at Allendale, SC and Sylvania, GA.

BEAULIEU OF AMERICA, INC. ●

EXECUTIVE OFFICE: P.O. Box 4539, Dalton, Ga 30721

Nylon 6	Bridgeport, AL (yarn)

BERKLEY & CO. INC. ●

EXECUTIVE OFFICE: Highways 9 & 71, Spirit Lake, IA 51360

Nylon 6	Spirit Lake, IA (monofil)

CAMAC CORPORATION

EXECUTIVE OFFICE: P.O. Box 1004, Bristol, VA 24203

Nylon 6	Bristol, VA *Camalon* (yarn)

COLOR-FI, INC.

EXECUTIVE OFFICE: P.O. Box 469, Edgefield, SC 29824

Nylon	Sumter & Trenton, SC (staple & tow)
Polyester	Sumter & Trenton (staple)

CONCORDE FIBERS, INC. ●

EXECUTIVE OFFICE: P.O. Box 200, Highway 45, Jamestown, SC 29453

Nylon 6	Jamestown, SC (yarn)

CORTLAND LINE COMPANY, INC.

EXECUTIVE OFFICE: 3736 Kellogg Road, Cortland, NY 13045

Nylon 6	Cortland, NY (monofil-captive)

COURTAULDS FIBERS INC.

EXECUTIVE OFFICE: 104 West 40th Street, New York, NY 10018
REGIONAL SALES: P.O. Box 2648, Mobile, AL 36652

Rayon	Le Moyne, Mobile County, AL *Fibro* (staple)

DORSETT CARPET MILLS INC. ●

EXECUTIVE OFFICE: P.O. Box 740, Chatsworth, GA 30705

Nylon 6	Chatsworth, GA (yarn)

E. I. DU PONT DE NEMOURS & COMPANY (INC.) ●

FIBERS DEPARTMENT ●

EXECUTIVE OFFICE: Wilmington, DE 19880

REGIONAL SALES: 5500 Union Pacific Avenue, City of Commerce, CA 90022
1251 Avenue of the Americas, New York, NY 10020
6250 Fairview Road, Charlotte, NC 28234
2770 West Market Street, Akron, OH 44313
300 Franklin Bldg., Eastgate Center, Chattanooga, TN 37411

Acrylic	Camden, SC & Waynesboro, VA *Orlon* (staple & tow)
Aramid	Richmond, VA *Kevlar* (yarn), *Nomex* (yarn, staple & tow)
Nylon 66	Seaford, DE; Camden, SC; Chattanooga, TN & Martinsville, Richmond & Waynesboro, VA (yarn, monofil, staple & tow)
Polyester	Kinston & Wilmington, NC; Camden & Charleston, SC *Dacron,* (yarn, staple, tow & fiberfill), *Sontara* (spunlaced)
Spandex	Waynesboro *Lycra* (fused multifil or coalesced monofil)

POLYMER PRODUCTS DEPARTMENT

EXECUTIVE OFFICE: See Listing Above.

Nylon 6/66/612 & Polyester	Parkersburg, WV *Dacron, Dymetrol, Tynex & Vylor* (monofil of 50 denier & coarser)

EASTMAN KODAK COMPANY

EASTMAN CHEMICALS DIVISION

EXECUTIVE OFFICE: Kingsport, TN 37662

MARKETER: EASTMAN CHEMICAL PRODUCTS, INC., P.O. Box 431, Kingsport, TN 37662

REGIONAL SALES: 1133 Avenue of the Americas, New York, NY 10036

Acetate	Kingsport, TN *Chromspun, Estron* (yarn)
Polyester	Kingsport, TN & Columbia, SC *Kodel* (staple)

FIBER INDUSTRIES

EXECUTIVE OFFICE: 5146 Parkway Plaza Blvd., Charlotte, NC 28217

SALES OFFICE: 1133 Avenue of the Americas, New York, NY 10036

REGIONAL SALES: 4040 Summit Drive, Marietta, GA 30068

Polyester	Fayetteville, NC & Darlington, SC Fortrel (yarn & staple)

FIRESTONE FIBERS & TEXTILES COMPANY

DIVISION OF FIRESTONE TIRE & RUBBER COMPANY

EXECUTIVE OFFICE: P.O. Box 1278, Gastonia, NC 28052

Polyester	Hopewell, VA (yarn)

FOSS MANUFACTURING COMPANY, INC. ●

EXECUTIVE OFFICE: Ward Hill Industrial Park, Haverhill, MA 01830

PLANT OFFICE: Haverhill, MA 01830

Polyester	Haverhill, MA (staple-captive)

GLOBE MANUFACTURING CO.

EXECUTIVE OFFICE: 456 Bedford Street, Fall River, MA 02720

Spandex	Fall River, MA & Gastonia, NC *Cleerspan, DC_{-100}, DC_{-700}, Glospan* (fused multifil)

THE GOODYEAR TIRE & RUBBER COMPANY, POLYESTER DIVISION

EXECUTIVE OFFICE: Akron, OH 44316

Polyester	Scottsboro, AL & Point Pleasant, WV (yarn-captive)

GULF FIBERS INC.

EXECUTIVE OFFICE: Falk Industries, Inc., 569 Broadway, New York, NY 10012

Nylon 6	Le Moyne, Mobile County, AL (yarn)

HANOVER FIBERS DIVISION, GUILFORD MILLS INC.

EXECUTIVE OFFICE: 4925 West Market Street, Greensboro, NC 27402

REGIONAL SALES: 200 Dickens Road, P.O. Box 788, Fuquay-Varina, NC 27526

Nylon 6	Gainesville, GA (monofil)
Polyester	Fuquay-Varina, NC (yarn & monofil)

HOECHST CELANESE CORPORATION

EXECUTIVE OFFICE: 202-206 North, Somerville, NJ 08876
1211 Avenue of the Americas, New York, NY 10036

REGIONAL SALES: 110 East 9th Street, Room A 1229, Los Angeles, CA 90079
6000 Lake Forest Drive, Suite 300, Atlanta, GA 30328
P.O. Box 32414, Charlotte, NC 28232
2950 West Market Street, Akron, OH 44313

Acetate	Rock Hill, SC *(Celriver)* & Narrows, VA *(Celco)* (yarn, staple & tow)
Polyester	Salisbury & Shelby, NC & Spartanburg, SC *Angelette, Ceylon, Comfort Fiber, ESP, Loftguard, Polar-Guard, Serene, Superba, Trevira* (yarn, staple, tow & fiberfill)
PBI	Rock Hill (staple)
Vinyon	Rock Hill (staple)

JAMES RIVER CORPORATION ●

EXECUTIVE OFFICE: 545 North Pleasantburg Drive, Greenville, SC 29607

Nylon 6/6	Pensacola, FL & Milford, NJ *Cerex, PBN-11* (spunbonded) (meltblown)
Polyester	Milford (meltblown)

JOHNSON FILAMENTS, INC. ●

Subsidiary of JWI Ltd.

EXECUTIVE OFFICE: Industrial Avenue, Williston, VT 05495

Nylon 6/66	Williston, VT (monofil)
Polyester	Williston (monofil)

KAYSER-ROTH HOSIERY INC., YARN MANUFACTURING DIVISION

EXECUTIVE OFFICE: 2303 West Meadowview Road, Greensboro, NC 27407

Nylon 66	Creedmoor, NC (yarn-captive)

MONOFILAMENTS, INC.

EXECUTIVE OFFICE: 1401 Hopeman Parkway, Waynesboro, VA 22980

Nylon 6/66	Waynesboro, VA (monofil)
Polycarbonate	Waynesboro (monofil)
Polyester	Waynesboro (monofil)

*The company also produces fusible nylon (monofil) at its Waynesboro facility.

MONSANTO COMPANY

EXECUTIVE OFFICE: 800 North Lindbergh Blvd., St. Louis, MO 63167

MONSANTO CHEMICAL COMPANY, FIBERS & ENGINEERED PRODUCTS DIVISION

REGIONAL SALES: 24012 Calle de la Plata, Suite 250, Laguna Hills, CA 92653
320 Interstate North Parkway, Atlanta, GA 30339
Merchandise Mart, 222 North Bank Drive, Chicago, IL 60654
1460 Broadway, 11th Floor, New York, NY 10036
6230 Fairview Road, Charlotte, NC 28210
260 Springside Drive, P.O. Box 5444, Akron, OH 44313

Acrylic	Decatur, AL *Acrilan, Acrilan II, Bi-Loft, CY-FANA, Fi-Lana II, Pa-Qel, So-Lara, So-Qel* (staple & tow)
Modacrylic	Decatur *SEF, SEF Plus* (staple & tow)
Nylon 66	Pensacola, FL & Greenwood, SC *No-Shock, Ultron* (yarn & staple)

NORTH AMERICAN POLYESTER CORPORATION

Subsidiary of North American Rayon Corporation

EXECUTIVE OFFICE: West Elk Avenue, Elizabethton, TN 37643

Polyester	Elizabethton, TN (staple)

NORTH AMERICAN RAYON CORPORATION

EXECUTIVE OFFICE: West Elk Avenue, Elizabethton, TN 37643
REGIONAL SALES: 500 Fifth Avenue, New York, NY 10110

Rayon	Elizabethton, TN (ind & reg yarn & tow)

REEMAY, INC. ●

EXECUTIVE OFFICE: P.O. Box 511, Old Hickory, TN 37138

Polyester	Old Hickory, TN *Reemay* (spunbonded)

SHAKESPEARE COMPAN MONOFILAMENT DIVISION ●

SALES OFFICE: 6111 Shakespear Road, P.O. Box 4060, Columbia, SC 29240

Nylon 6/66/610	Columbia, SC (monofil & monofil thread)
Polyester	Columbia (monofil & monofil thread)

STAR FIBERS, INC.

EXECUTIVE OFFICE: 136 Fuller Road, Albany, NY 12205
REGIONAL SALES: Edgefield, SC 29824

Nylon 6/66	Edgefield, SC *Starbrite* (staple)

SUNSHINE ROPE MANUFACTURING INC. ●

EXECUTIVE OFFICE: 7250-7270 N.W. 41st Street, Miami, FL 33166

Nylon 6	Miami, FL *Sunylon* (yarn & cordage)

TOLARAM FIBERS, INC. ●

EXECUTIVE OFFICE: P.O. Box 436, Highway 52 North, Ansonville, NC 28007-0436

Nylon 66	Ansonville NC (yarn)
Polyester	Ansonville & Asheboro, NC (yarn)

WELLMAN, INC., MAN-MADE FIBER DIVISION

EXECUTIVE OFFICE: P.O. Box 188, Johnsonville, SC 29555
67 Walnut Avenue, Suite 308, Clark, NJ 07066
REGIONAL SALES: 1200 East Morehead Street, Charlotte, NC 28204
25 Braintree Hill Park, Suite 206, Braintree, MA 02184

Nylon 6/66	Johnsonville, SC *Wellon, Wellstrand* (staple, tow & tops)
Polyester	Johnsonville *Fillwell, Wellene, Wellstrand* (staple & tow)

YKK ZIPPER CO.

Polyester	Macon, GA (yarn)

OLEFIN FIBER

ACS INDUSTRIES, INC.

EXECUTIVE OFFICE: 71 Villanova Street, Woonsocket, RI 02895
PLANT: Woonsocket, RI (P yarn)

ALADDIN MILLS, INC.

EXECUTIVE OFFICE: P.O. Box 2208, Dalton, GA 30722
PLANT: Dalton, GA (P yarn)

ALBANY INTERNATIONAL - MONOFILAMENT PLANT

EXECUTIVE OFFICE: See Listing on Page 240.
PLANT: Homer, NY (P monofil)

ALLIED-SIGNAL INC. ENGINEERED MATERIALS SECTOR, FIBERS DIVISION

EXECUTIVE OFFICE: See Listing on Page 240.
PLANT: Chesterfield, VA *Spectra* (E yarn & staple)

AMERICAN MANUFACTURING COMPANY
EXECUTIVE OFFICE: 200 South Park Road, Lafayette, LA 70505
REGIONAL SALES: 107 Trumball Street, Elizabeth, NJ 07206
5854 Hollis Street, Emeryville, CA 94608
1520 Industrial Blvd., Jacksonville, FL 32205
6110 Bienvenue Street, New Orleans, LA 70117
1715 South 11th Street, St. Louis, MO 63104
1350 Kress Street, Houston, TX 77020
5050 First Avenue South, Seattle, WA 98134
LAFAYETTE ROPE DIVISION
PLANT: Lafayette, LA *Amco, American, Bondtie, Floterope* (E & P monofil & film)

AMERICAN POLYCRAFT, INC.
EXECUTIVE OFFICE: See Listing on Page 240.
PLANT: Dalton, GA (P yarn & film)

AMETEK INC., SPECIAL FILAMENTS DIVISION
EXECUTIVE OFFICE: See Listing on Page 240.
PLANT: Odenton, MD (E & P monofil)

AMOCO FABRICS & FIBERS COMPANY
EXECUTIVE OFFICE: 900 Circle 75 Parkway, Suite 550, Atlanta, GA 30339
REGIONAL SALES: 15066 Shoemaker Avenue, Santa Fe Springs, CA 90670
P.O. Box 911, Dalton, GA 30720
P.O. Box 3667, 835 Shugart Rd., Dalton, GA 30720
P.O. Box 466, Hohokus NJ 07423
PLANT: Andalusia & Roanoke, AL; Bainbridge, Hazlehurst & Nashville, GA; Salisbury, NC & Afton, VA (P yarn, monofil, film & staple)
The company produces *PolyBac, PolyBac A/S and PolyBac FLW* primary carpet backing; *ActionBac* secondary carpet backing; *Amopave & Propex* industrial fabric; *Condesa* luggage fabric; *Patlon, Patlon Plus, Patlon III, Amoco Olefin & Olefin II, Marquesa Lana & Marquesa Lana/ST* and *Synera* yarn; *Amoweve* wallcoverings; and *Genesis* residential carpet yarn.

ARLIN MFG. CO., INC.
EXECUTIVE OFFICE: 239 Industrial Avenue, Lowell, MA 01853
PLANT: Lowell, MA (P film)

ARMSTRONG WORLD INDUSTRIES, INC.
EXECUTIVE OFFICE: Lancaster, PA 17604
PLANT: Charlotte, NC (P film-captive)
The company weaves carpet backing.

AVTEX FIBERS, INC.
EXECUTIVE OFFICE: See Listing on Page 240.
PLANT: Front Royal, VA (P staple)

BEAULIEU OF AMERICA, INC.
EXECUTIVE OFFICE: See Listing on Page 240.
PLANT: Dalton, GA (P yarn)

BERKLEY & CO. INC.
EXECUTIVE OFFICE: See Listing on Page 240.
PLANT: Spirit Lake, IA (E & P monofil-captive)

BLUE MOUNTAIN INDUSTRIES
EXECUTIVE OFFICE: 20 Blue Mountain Road, Blue Mountain, AL 36201
PLANT: Blue Mountain, AL *Gold Medal, Poly Autotwine, Poly Macramé, Polylasting, TY-EZ Polytape, Tylon, Tytite* (E & P film cordage)

BRIDON CORDAGE INC.
EXECUTIVE OFFICE: 909 16th Street, Albert Lea, MN 56007
PLANT: Albert Lea, MN & Jerome, ID (P film cordage)

BURLINGTON, INC.
EXECUTIVE OFFICE: P.O. Box 21207, Greensboro, NC 27420
PLANT: Greensboro, NC (P yarn)

CALIFORNIA WEBBING INDUSTRIES, INC.
EXECUTIVE OFFICE: 4560 Pacific Blvd., Los Angeles, CA 90058
PLANT: Los Angeles, CA (P yarn)

CHASE PACKAGING CORPORATION
EXECUTIVE OFFICE: 2 Greenwich Plaza, Greenwich, CT 06830
PLANT: Portland, OR (P film industrial goods)

COLUMBIAN ROPE COMPANY
EXECUTIVE OFFICE: P.O. Box 270, Highway 45 North, Guntown, MS 38849
REGIONAL SALES: P.O. Box 270, Highway 45 North, Guntown, MS 38849
PLANT: Guntown, MS *Polypro 6* (E & P monofil & film)

CONCORDE FIBERS, INC.
EXECUTIVE OFFICE: See Listing on Page 240.
PLANT: Jamestown, SC (P yarn)

CROWE ROPE COMPANY
EXECUTIVE OFFICE: Warren, ME 04864
PLANT: Warren, ME *Crowelon* (P monofil & film)

CUMBERLAND MILLS, INC.
EXECUTIVE OFFICE: 1010 North Hamilton Street, Dalton, GA 30720
PLANT: Dalton, GA (P yarn)

CUTLASS CARPET
PLANT: Dalton, GA (P yarn)

DIAMOND MILLS, INC.
EXECUTIVE OFFICE: P.O. Box 46, Eton, GA 30724
PLANT: Eton, GA (P yarn & film)

DORSETT CARPET MILLS, INC.
EXECUTIVE OFFICE: See Listing on Page 241.
PLANT: Chatsworth, GA (P yarn)

E. I. DU PONT DE NEMOURS & COMPANY (INC.)
FIBERS DEPARTMENT
EXECUTIVE OFFICE: See Listing on Page 241.
PLANT: Richmond, VA *Tyvek* (E spunbonded)

ELIZABETH WEBBING MILLS CO., INC.
EXECUTIVE OFFICE: 521 Roosevelt Avenue, Central Falls, RI 02862
PLANT: Central Falls, RI (P yarn & film)

ENSIGN-BICKFORD INDUSTRIES, INC. FILM FIBERS DIVISION
EXECUTIVE OFFICE: 660 Hopmeadow Street, Simsbury, CT 06070
PLANT: Simsbury, CT (P film)

EXXON CHEMICAL AMERICAS, INDUSTRIAL TEXTILES DIVISION
DIVISION HEADQUARTERS: 2550 West Fifth North Street, Summerville, SC 29483-9699
MARKETING OFFICE: 2100 River Edge Parkway, Suite 1025, Atlanta, GA 30328-4654
PLANT: Kingman, KS (P monofil & film cordage)
Summerville, SC (P monofil & film fabrics)
The company also weaves *Baxon* carpet backing and packaging fabrics at Summerville, SC.

FIBERS & FABRICS OF GEORGIA, INC.
Subsidiary of Georgia Synthetics, Inc.
EXECUTIVE OFFICE: P.O. Box 962, Elberton, GA 30635
PLANT: Elberton, GA (P yarns, fibrillated, roll embossed filaments & ribbon yarn)

FIBERS SOUTH, INC.
EXECUTIVE OFFICE: P.O. Box 189, Trussville, AL 35173
PLANT: Trussville, AL *Polystar, Trustite & Tyrite* (P film, monofil, tapes & staple)

FILAMENT FIBER TECHNOLOGY INCORPORATED
EXECUTIVE OFFICE: 571 West Lake Avenue, Bay Head, NJ 08742
PLANT: Salisbury, NC (P yarn)

FNT INDUSTRIES, INC.
EXECUTIVE OFFICE: 927 First Street, Menominee, MI 49858
PLANT: Menominee, MI (E monofil)

FOSS MANUFACTURING CO., INC.
EXECUTIVE OFFICE: See Listing on Page 241.
PLANT: Haverhill, MA (P staple-captive)

GENERAL FIBERS & FABRICS, INC.
EXECUTIVE OFFICE: Orchard Hill Road, La Grange Industrial Park, La Grange, GA 30240
PLANT: La Grange & Soperton, GA (P film)
The company also weaves *Supertuft* carpet backing as well as bagging and woven polypropylene fabrics here.

GEORGIA SYNTHETICS, INC.
EXECUTIVE OFFICE: P.O. Box 962, Elberton, GA 30635
PLANT: Elberton, GA (P film carpet backing)
Also see listing for **Fibers & Fabrics of Georgia, Inc.**

GFF HOLDING COMPANY
(Formerly NSI, Inc.)
ADMINISTRATIVE OFFICE: Box 658, Soperton, GA 30457
PLANT: Soperton, GA (P film-captive)
The company weaves carpet backing here.

HERCULES INCORPORATED
HERCULES ENGINEERED POLYMER COMPANY, FIBERS
EXECUTIVE OFFICE: Hercules Plaza, Wilmington, DE 19894
MARKETING HEADQUARTERS: 3169 Holcomb Bridge Road, Suite 301, Norcross, GA 30071
REGIONAL SALES: 280 Railroad Avenue, Greenwich, CT 06830
2000 Town Center, Suite 1900, Southfield, MI 48075
PLANT: Oxford, GA *Elustra, Herculon, Nouvelle* (P yarn & staple)

THE HOOVEN & ALLISON COMPANY
EXECUTIVE OFFICE: 677 Cincinnati Avenue, Xenia, OH 45385
PLANT: Xenia, OH (P film cordage)

INTEGRATED PRODUCTS, INC.
EXECUTIVE OFFICE: P.O. Box 1791, Rome, GA 30161
PLANT: Rome, GA (P staple)

J & J INDUSTRIES
EXECUTIVE OFFICE: P.O. Box 1287, Dalton, GA 30722
PLANT: Dalton, GA (P yarn)

JAMES RIVER CORPORATION
EXECUTIVE OFFICE: See Listing on Page 241.
PLANT: Washougal, WA & Milford, NJ *Celestra, Fibretex* (P spunbonded) (meltblown)

JOHNSON FILAMENTS
EXECUTIVE OFFICE: See Listing on Page 241.
PLANT: Williston, VT (P monofil)

KIMBERLY-CLARK CORPORATION
EXECUTIVE OFFICE: 1400 Holcomb Bridge Road, Roswell, GA 30076
PLANT: Corinth, MS; Balfour, NC; La Grange, GA & Neenah, WI *Accord, Duraguard, Evolution* (P spunbonded), *Cyclean, Evolution III* (P spunbonded/meltblown laminate)

LAMBETH CORPORATION
EXECUTIVE OFFICE: 627 Tarkiln Hill Road, New Bedford, MA 02745
PLANT: New Bedford, MA *Lambeth* (E & P monofil)

LAWRENCE HOSE COMPANY
A Consolidated Foods Company
SALES OFFICE: P.O. Box 1838, Burlington, NC 27215
PLANT: Burlington, NC (E monofil-captive)

LORETEX
DIVISION OF OIVIND LORENTZEN, INC.
EXECUTIVE OFFICE: 522 Fifth Avenue, New York, NY 10036
REGIONAL SALES: Northeastern Industrial Park, Guilderland Center, NY 12505
PLANT: Guilderland Center, NY (E film-captive)

MIRAFI INC.
Subsidiary of Dominion Textiles
EXECUTIVE OFFICE: P.O. Box 240967, Charlotte, NC 28224
PLANT: Waynesboro, VA (P film-captive)

THE OSTERNECK COMPANY
EXECUTIVE OFFICE: P.O. Box 859, Lumberton, NC 28359
PLANT: Lumberton, NC (P film)
The company weaves carpet backing and industrial goods here.

PHILLIPS FIBERS CORPORATION
Subsidiary of Phillips 66 Company
EXECUTIVE OFFICE: P.O. Box 66, Interstate 85, Greenville, SC 29602
PLANT: Rocky Mount, NC; Seneca & Spartanburg, SC *Alpha, Marvess* (P yarn, staple & tow)
The company also manufactures *Duon, Petromat, Rufon & Supac* nonwoven fabrics at Seneca, SC.

POLYLOOM CORPORATION OF AMERICA
EXECUTIVE OFFICE: 1615 North Broadway, P.O. Box 289, Dayton, TN 37321
PLANT: Dayton, TN *Polyloom* (P split film)

REEMAY, INC.
EXECUTIVE OFFICE: See Listing on Page 242.
PLANT: Old Hickory, TN *Typar* (P spunbonded)

SARLON INDUSTRIES, INC.
EXECUTIVE OFFICE: 775 N.W. 71st Street, Miami, FL 33150
PLANT: Miami, FL (P monofil & film)

SHAKESPEARE MONOFILAMENT DIVISION
EXECUTIVE OFFICE: See Listing on Page 242.
PLANT: Columbia, SC (P monofil)

SHUFORD MILLS, INC.
EXECUTIVE OFFICE: Highland Avenue & 15th Street, N.E., Hickory, NC 28601
PLANT: Hickory, NC (P film, cordage & twine)

SOLUTION FIBERS INC.
EXECUTIVE OFFICE: P.O. Box 447, 110 West McCarter Road, Lafayette, GA 30728
PLANT: Lafayette, GA *Better Body, Luxene* (P yarn)

SOUTHERN WEAVING, INC.
PLANT: Greenville, SC (P yarn)

STEVENS FIBER DIVISION, STEVENS LINEN ASSOC., INC.
EXECUTIVE OFFICE: P.O. Box 220, Webster, MA 01570
PLANT: Dudley, MA (P staple)

SUNSHINE ROPE MANUFACTURING INC.
EXECUTIVE OFFICE: See Listing on Page 242.
PLANT: Miami, FL (E & P monofil, cordage)

SYNTHETIC INDUSTRIES
EXECUTIVE OFFICE: 309 Lafayette Road, Chickamauga, GA 30707
PLANT: Chickamauga & Dalton, GA (P film & staple)

SYNTHETIC INDUSTRIES, FIBRON DIVISION
EXECUTIVE OFFICE: Chickamauga, GA
PLANT: Chattanooga, TN *Fibri-Cord, Fibri-knit, Fibrilawn, Fibrilon* (P film)

TECHLON FIBERS CORPORATION
EXECUTIVE OFFICE: 3359 Blake Drive, Dalton, GA 30720
PLANT: Dalton, GA (P yarn)

TECHNOTRADE
PLANT: Dalton, GA (P yarn)

TOLARAM FIBERS, INC.
EXECUTIVE OFFICE: See Listing on Page 242.
PLANT: Ansonville, NC (P yarn)

TWINE PRODUCTS CORPORATION
EXECUTIVE OFFICE: 201 Dufossat, P.O. Box 15285, New Orleans, LA 70175
PLANT: New Orleans, LA (P film)

UNITED STATES ROPE COMPANY
EXECUTIVE OFFICE: 711 Hamilton Avenue, Menlo Park, CA 94025
PLANT: Menlo Park, CA (P monofil)

WALL INDUSTRIES, INC.
EXECUTIVE OFFICE: P.O. Box 830, Granite Quarry, NC 28072
PLANT: Granite Quarry, NC (E & P monofil rope and cordage)

WALTRICH PLASTIC CORPORATION
EXECUTIVE OFFICE: P.O. Box D, Walthourville, GA 31333
PLANT: Walthourville, GA (P monofil)

WAYN-TEX INC.
EXECUTIVE SALES OFFICE: Box 648, Dalton, GA 30720
PLANT: Waynesboro, VA (E & P monofil & P film-captive)
The company weaves *Wayntuf* primary carpet backing (captive).

WELLINGTON PURITAN MILLS (MONTAIR DIV.)
EXECUTIVE OFFICE: Nelson Street, Pilot Mountain, NC 27401
PLANT: Pilot Mountain, NC *Pur-Ty, Welltite* (P yarn & E & P monofil & film)

WELLINGTON SYNTHETIC FIBRES, INC.
EXECUTIVE OFFICE: 52 Courtland Street, Paterson, NJ 07503
PLANT: Leesville & Summerville, SC (P yarn & monofil)
The company also weaves outdoor furniture webs at Leesville.

The following companies are also producing a variety of textile products from olefin: **Cirtex** (P film); **Continental** (P yarn); **Conwed Corp. Conwed Plastic Netting** (P embossed film for netting); **Dicey** (P yarn); **E.I du Pont De Nemours & Company (Inc.)** (E & P embossed film for netting); **Hercules Incorporated, Polymers Division** *Delnet* (E embossed film for netting); **Nalle Inc.** (P embossed film for netting); **Riegel Products Corporation** *Polyweb* (P meltblown); and **The 3M Company** (P spunbonded).

GLASS FIBER

CERTAINTEED CORPORATION
FIBER GLASS REINFORCEMENTS DIVISION
EXECUTIVE OFFICE: P.O. Box 860, Valley Forge, PA 19482
REGIONAL SALES: 1801 East Parkcourt Street, Bldg. D., Suite 104, Santa Ana, CA 92701
5015 N.W. 19th Street, Gainesville, FL 32605
854 Fairway Drive, Bensenville, IL 60106
1 City Centre, 120 West 7th, Bloomington, IN 47401
533-A Mur Len Road, Olathe, KS 66061
1976 Wooddale Blvd., Baton Rouge, LA 70806
2030 52nd Street, Ashtabula, OH 44004
5555 Airport Highway, Suite 210, Toledo, OH 43615
P.O. Box 1329, Kulpsville, PA 19443
2811 Reidville Road, West Oak Square, Suite 12, Spartanburg, SC 29301
4811 Lebanon Road, Suite 107, Hermitage, TN 37076
6326 Hart, Fort Worth, TX 76112
7414 N.E. Hazel Dell Avenue, Suite 207, Vancouver, WA 98665
PLANT: Wichita Falls, TX (roving, woven roving, mat, chopped strand & combination product)

FIBER GLASS INDUSTRIES, INC.
EXECUTIVE OFFICE: Homestead Place, Amsterdam, NY 12010
PLANT: Amsterdam, NY (roving & chopped)

GAF, BUILDING MATERIALS DIVISION
EXECUTIVE OFFICE: 1361 Alps Road, Wayne, NJ 07670
PLANT: Irwindale, CA *Chemglass* (chopped), Nashville, TN (chopped)

GFT (GLASS FIBER TECHNOLOGY)
EXECUTIVE OFFICE: P.O. Box 670, Chester, SC 29706
PLANT: Chester, SC (wet chop for shingles)

LUNDY TECHNICAL CENTER
EXECUTIVE OFFICE: Pompano Beach, FL 33064
PLANT: Pompano Beach, FL *RoMHOglas* (metalized glass fiber roving & strand and nonwoven metalized glass mat)

MANVILLE SALES CORPORATION
MATS, FIBER & REINFORCEMENTS DIVISION
EXECUTIVE OFFICE: P.O. Box 517, Toledo, OH 43693
PLANT: Waterville, OH & Etowah, TN *Chop-Pak, Dura-Glass, Star Rov, Star Stran, Tempstron* (mat, chopped strand, staple yarn, sliver, rovings & microfiber)

NICOFIBERS INC.
EXECUTIVE OFFICE: Ironpoint Road, Shawnee, OH 43782
PLANT: Shawnee, OH *Conformat, Consumat, Sumat* (mat)

NITTOBO-SCHWEBEL CORPORATION *
(Yarn)

OWENS-CORNING FIBERGLAS CORPORATION
EXECUTIVE OFFICE: Fiberglas Tower, Toledo, OH 43659
REGIONAL SALES: 5933 Telegraph Road, Los Angeles, CA 90040
2215 Sanders Road, Northbrook, IL 60062
15300 West 8 Mile, Oak Park, MI 48237
Bldg. 5601, 77 Center Drive, Suite 240, Charlotte, NC 28210
5700 Pearl Road, Suite 104, Cleveland, OH 44129
900 West Valley Road, Suite 1101, Wayne, PA 19087
12880 Hillcrest, Suite 100, Dallas, TX 75230
PLANT: Huntingdon, PA; Aiken & Anderson, SC & Amarillo, TX *Araton, Beta, Bi-Ply, Fiberglas, S-Glass, S-2 Glass, Type 30* (yarn, roving, woven roving, mat chopped & milled)

PPG GLASS FIBERS LTD.
FIBER GLASS PRODUCTS
EXECUTIVE OFFICE: One PPG Place, Pittsburgh, PA 15272
REINFORCEMENT PRODUCTS:
REGIONAL SALES: 23441 South Pointe Drive, Suite 145, Laguna Hills CA 92653.
500 Sugar Mill Road, Bldg. A, Suite 210, Atlanta, GA 30338
246 East Janata Blvd., Suite 200, Lombard, IL 60148
2155 West Big Beaver Road, P.O. Box 3510, Troy, MI 48007-3510
AUTOMOTIVE SALES OFFICE: 2155 West Big Beaver Road, P.O. Box 3510, Troy, MI 48007-3510
TEXTILE PRODUCTS: 1601 East Garrison Blvd., Suite 210, Gastonia, NC 28054
2253 South Avenue, Westfield, NJ 07090
PLANT: Lexington & Shelby, NC (yarn, roving, mat, milled fiber, chopped strand, woven roving & rubber reinforcements)

SUPERIOR GLASS FIBERS, INC.
EXECUTIVE OFFICE: P.O. Box 89, Bremen, OH 43107
PLANT: Bremen, OH (mat)

BASF ACRYLIC OPERATIONS OFFERED FOR SALE

BASF is offering its acrylic fibers and spun yarn plants in Williamsburg, VA for sale. BASF will continue to produce acrylic fibers and spun yarns during the search for a buyer. The sale does not affect the firm's other Williamsburg operations. (BASF news release)

TABLE 2:
LOCATION OF AMERICAN FIBER PRODUCT-MANUFACTURING PLANTS

STATES & AREA	CELLULOSIC [a]	NONCELLULOSIC						GLASS FIBER	GRAND TOTAL
		ACRYLIC [b]	NYLON [c]	OLEFIN	POLYESTER	OTHER [d]	TOTAL		
NEW ENGLAND									
CONNECTICUT				1			1		1
MAINE				1			1		1
MASSACHUSETTS				4	1	1	6		6
RHODE ISLAND				2			2		2
VERMONT			1	1	1		3		3
TOTAL NEW ENGLAND			**1**	**9**	**2**	**1**	**13**		**13**
MID-ATLANTIC									
DELAWARE			1				1		1
MARYLAND			1	1	1	1	4		4
NEW JERSEY			1	1	1		3		3
NEW YORK			2	2	1	1	6	1	7
PENNSYLVANIA					1		1	1	2
TOTAL MID-ATLANTIC			**5**	**4**	**4**	**2**	**15**	**2**	**17**
PIEDMONT									
N. CAROLINA			3	12	9	1	25	2	27
S. CAROLINA	1	1	11	8	9	2	31	3	35
VIRGINIA	2	2	7	6	2	2	19		21
WEST VIRGINIA			1		2		3		3
TOTAL PIEDMONT	**3**	**3**	**22**	**26**	**22**	**5**	**78**	**5**	**86**
SOUTH									
ALABAMA	1	2	2	4	1		9		10
FLORIDA		1	3	2			6	1	7
GEORGIA			3	25	1		29		29
LOUISIANA				2			2		2
MISSISSIPPI				2			2		2
TENNESSEE	3		2	3	4		9	2	14
TEXAS								2	2
TOTAL SOUTH	**4**	**3**	**10**	**38**	**6**		**57**	**5**	**66**
MID-WEST & WEST									
CALIFORNIA				2			2	1	3
IDAHO				1			1		1
IOWA			1	1			2		2
KANSAS				1			1		1
MICHIGAN				1			1		1
MINNESOTA				1			1		1
OHIO				1			1	3	4
OREGON				1			1		1
WASHINGTON				1			1		1
WISCONSIN				1			1		1
TOTAL MIDWEST & WEST			**1**	**11**			**12**	**4**	**16**
TOTAL NUMBER OF PLANTS	**7**	**6**	**39**	**88**	**34**	**8**	**175**	**16**	**198**
TOTAL NUMBER OF STATES	**4**	**4**	**14**	**25**	**13**	**6**	**30**	**9**	**31**

a. Cellulosic includes rayon, acetate and triacetate.
b. Acrylic includes modacrylic.
c. Nylon includes 1 aramid.
d. Other includes 1 fluorocarbon, 1 PBI, 1 polycarbonate, 1 saran, 3 spandex and 1 vinyon.

TABLE 3:
SELECTED U.S. MAN-MADE FIBER IMPORTS FOR CONSUMPTION BY COUNTRY OF ORIGIN
THOUSAND POUNDS

ITEMS & COUNTRY	1988												YEAR TO DATE	
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	1988	1987
CELLULOSIC YARN, MONOFIL & STRIPS														
AUSTRIA	0	0	0	0	0	0	0	0	0				0	244
BRAZIL	54	0	28	55	28	13	69	29	36				312	422
CANADA	426	481	507	292	592	827	427	739	779				5070	2211
GERMANY, FED. REP. OF	353	635	281	227	388	313	358	355	315				3225	3574
JAPAN	277	131	45	121	62	63	54	17	27				797	486
MEXICO	62	53	18	81	70	68	115	86	114				667	449
NETHERLANDS	190	229	228	289	142	104	176	218	266				1842	755
ALL OTHER COUNTRIES [a]	11	1	21	67	44	178	35	86	109				552	157
TOTAL CELLULOSIC YARN	**1373**	**1530**	**1128**	**1132**	**1326**	**1566**	**1234**	**1530**	**1646**				**12465**	**8298**
CELLULOSIC STAPLE+TOW														
CANADA	1086	774	974	797	1355	1551	1309	2131	1880				11857	8969
ITALY	34	73	19	0	33	0	39	32	0				230	587
JAPAN	99	0	91	46	37	68	101	45	237				724	785
SWEDEN	0	41	45	0	20	0	0	0	0				106	219
UNITED KINGDOM	57	0	79	54	0	24	113	50	40				417	299
ALL OTHER COUNTRIES [b]	28	0	10	51	43	+	70	2	0				204	115
TOTAL CELLULOSIC STAPLE+TOW	**1304**	**888**	**1218**	**948**	**1488**	**1643**	**1632**	**2260**	**2157**				**13538**	**10974**
NONCELLULOSIC YARN, MONOFIL & STRIPS														
BELGIUM	1436	1117	1665	894	172	530	803	630	1016				8263	9092
BRAZIL	0	7	0	199	169	109	92	203	80				859	3
CANADA	1448	1872	2220	2156	2451	1677	1568	2139	1766				17297	13876
COSTA RICA	606	570	654	533	514	523	692	442	606				5140	5213
DENMARK	0	0	0	0	61	30	60	0	30				181	215
FRANCE	767	588	716	338	272	712	642	960	410				5405	4156
GERMANY, FED. REP. OF	1074	1355	1968	1078	1495	1146	1130	1342	1408				11996	18150
IRELAND	37	34	74	114	150	78	192	114	138				931	413
ISRAEL	388	309	123	304	182	254	273	281	208				2322	1845
ITALY	761	811	177	1678	942	412	1403	829	1051				8064	9701
JAPAN	648	212	729	277	282	338	304	337	328				3455	5672
KOREA, REP. OF	3	23	33	63	0	40	1	0	0				163	311
MEXICO	1428	2004	1547	978	1622	1660	1545	1659	1758				14201	15055
NETHERLANDS	49	42	26	31	57	4	16	10	116				351	977
ROMANIA	12	58	40	160	122	519	0	0	0				911	166
SINGAPORE	81	41	44	19	34	35	23	23	23				323	331
TAIWAN	12	26	12	53	69	34	70	103	164				543	522
UNITED KINGDOM	676	753	220	632	917	751	819	1050	731				6549	6426
ALL OTHER COUNTRIES [c]	192	179	167	58	54	156	147	152	167				1272	1810
TOTAL NONCELLULOSIC YARN	**9618**	**10001**	**10415**	**9565**	**9565**	**9008**	**9780**	**10274**	**10000**				**88226**	**93934**
NONCELLULOSIC STAPLE+TOW														
AUSTRIA	601	727	752	1321	296	481	506	867	270				5821	1537
AUSTRALIA	38	0	36	19	0	693	46	18	19				869	182
BELGIUM	35	0	18	18	634	0	18	193	10				926	164
BRAZIL	0	0	0	499	0	0	0	0	0				499	1673
CANADA	2003	2183	2981	2221	2797	1824	2353	2020	2692				21074	23777
FRANCE	934	799	800	957	1257	934	826	1220	675				8402	6057
GERMANY, FED. REP. OF	2738	3040	2503	2478	3319	2475	2793	3377	2357				25080	24206
INDIA	0	0	0	0	2575	2050	1556	2239	1068				9488	1
IRELAND	80	123	162	325	422	240	362	201	312				2227	1060
ITALY	130	362	145	241	5	37	44	190	85				1239	10917
JAPAN	1963	2057	1894	2166	1912	3095	1771	3016	2187				20061	17689
KOREA, REP. OF	1355	1516	1456	1580	1295	1604	2058	1908	2699				15471	8533
MALAYSIA	0	95	48	48	0	95	48	48	0				382	516
MEXICO	303	549	210	502	985	1043	822	800	605				5819	17352
ROMANIA	448	0	86	664	230	893	0	0	53				2374	3598
SWITZERLAND	102	21	153	189	123	122	160	127	148				1145	793
TAIWAN	1986	1109	1425	1112	1024	1384	549	1172	1321				11082	17559
UNITED KINGDOM	1604	1503	2175	1920	1777	1745	1184	2046	1495				15449	10489
ALL OTHER COUNTRIES [d]	22	30	12	85	0	19	146	283	49				646	1268
TOTAL NONCELLULOSIC STAPLE+TOW	**14342**	**14114**	**14856**	**16345**	**18651**	**18734**	**15242**	**19725**	**16045**				**148054**	**147371**

\+ Less than 1 thousand pounds.

a. United Kingdom 175, Morocco 111, Singapore 108, France 65, Korea, Rep. of 51, Taiwan 20, Norway 12, Italy 7, Australia 3.

b. Austria 111, France 61, Australia 25, Germany, Fed. Rep. of 2, Luxembourg 2, Mexico 2, Belgium 1.

c. Spain 295, Chile 267, Australia 157, Argentina 124, Norway 117, Sweden 102, Turkey 81, Switzerland 64, Austria 40, China, PRC 11, Hong Kong 12, Vatican City 1, Sri Lanka 1, Egypt, Greece, India.

d. Gibraltar 259, Netherlands 104, Israel 93, New Caledonia 70, Finland 57, Hong Kong 42, Spain 8, China, PRC 6, Egypt 3, Greece 2, Portugal 2, Philippines.

TABLE 4:
U.S. MAN-MADE FIBER IMPORTS FOR CONSUMPTION
THOUSAND POUNDS

ITEM	COMMODITY NUMBER AS OF 1/1/87	1988 JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR TO DATE 1988	1987
CELLULOSIC FIBER															
YARN - SINGLES															
TEXTURED	310.0106 & .0206	0	+	0	64	18	16	61	56	93				308	290
OTHER	310.0130 & .0230[a]	1362	1468	1021	995	1210	1412	1173	1318	1496				11455	7854
MONOFILAMENTS	309.0310 & .0610	0	+	0	1	1	0	0	3	1				6	5
STRIPS, $1/LB & UNDER	309.2000*	11	62	107	72	97	138	0	153	56				696	149
SUBTOTAL ABOVE		1373	1530	1128	1132	1326	1566	1234	1530	1646				12465	8298
STAPLE	309.4320 & .4325	1182	888	1107	934	1354	1492	1406	2123	1995				12481	10269
GROUPED FILAMENTS	309.3010 & .3310	122	0	111	14	134	151	226	137	162				1057	705
SUBTOTAL ABOVE		1304	888	1218	948	1488	1643	1632	2260	2157				13538	10974
WASTE, ADVANCED&NOT ADVANCED	309.6615 & .7510	0	+	0	0	0	0	0	0	0				+	28
NONCELLULOSIC FIBER	*														
YARN - SINGLES															
TEXTURED - NYLON															
LESS THAN 450 DENIER	310.0107 & .0207	341	297	204	271	150	176	175	235	223				2072	1424
450 DENIER AND OVER	310.0108 & .0208	1503	1643	1531	2018	1472	1080	1980	1970	1177				14374	21786
- POLYESTER	310.0110 & .0210	989	1368	1024	881	1327	1749	1033	1116	1363				10850	11307
- OTHER	310.0114 & .0214	2158	1830	2815	1920	1882	1811	2313	1978	2567				19274	17055
OTHER - NYLON	310.0149 & .0249	1154	1567	1602	1249	1672	1267	1216	1782	1463				12972	18092
- POLYESTER	310.0150 & .0250	2153	1631	1734	1657	1707	1719	1981	1964	1920				16466	14580
- OTHER	310.0170 & .0270[b]	762	1085	876	922	469	453	418	493	657				6135	5082
MONOFILAMENTS	309.0200 & .0330[c]	381	384	307	374	454	483	380	459	355				3577	2707
STRIPS, OVER $1/LB	309.2100 & .2500*	177	196	322	273	432	270	284	277	275				2506	1901
SUBTOTAL ABOVE		9618	10001	10415	9565	9565	9008	9780	10274	10000				88226	93934
STAPLE - NYLON	309.4331 & .4351	1696	1306	1915	2115	1707	1284	1468	1724	2177				15392	32064
- POLYESTER	309.4336 & .4361	4653	5670	4716	4932	7498	8268	6130	8251	7923				58041	56278
- ACRYLIC	309.4366	1214	953	1179	1399	1647	1377	1257	1513	533				11072	11993
- OLEFIN	309.4371	83	104	534	498	165	174	40	99	0				1697	439
- OTHER	309.4341 & .4390	1350	1625	1750	2008	969	1907	1239	1632	1279				13759	9628
GROUPED FILAMENTS															
NYLON	309.3030 & .3200	3713	2877	3289	3284	4091	3619	3596	3785	2430				30684	23666
POLYESTER	309.3040 & .3340	441	215	65	421	305	376	426	701	278				3228	2374
ACRYLIC	309.3050 & .3350	1086	1331	1249	1664	1631	1698	992	1855	1348				12854	9564
OTHER	309.3065 & .3365	106	33	159	24	638	31	94	165	77				1327	1365
SUBTOTAL ABOVE		14342	14114	14856	16345	18651	18734	15242	19725	16045				148054	147371
WASTE, NOT ADVANCED															
- NYLON	309.6625	2940	1991	1933	1842	2391	2267	1716	1344	1323				17747	20364
- POLYESTER	309.6630	550	487	1073	637	470	1233	716	500	1153				6819	7188
- ACRYLIC	309.6645	0	0	21	110	0	2	0	0	0				133	232
- OTHER	309.6660	221	272	392	157	271	260	101	241	194				2110	3924
NOILS & GARNETTED FIBERS	309.7000*	80	0	0	33	0	0	0	0	0				113	62
OTHER WASTE, ADVANCED	309.7525 - .7555	596	596	637	323	366	280	286	435	565				4084	3824
SUBTOTAL ABOVE		4387	3347	4056	3102	3498	4042	2819	2520	3235				31006	35594
TOTAL MAN-MADE ABOVE		31024	29880	31673	31092	34528	34993	30707	36309	33083				293289	296199
OTHER MAN-MADE FIBER TOPS, YARN & THREAD															
YARN - PLIED															
TEXTURED - CELLULOSIC	310.1506	0	0	+	0	0	0	0	0	0				+	5
- NONCELLULOSIC	310.1015[d]& .1205[e]	340	110	184	216	276	176	197	156	122				1777	3328
OTHER - CELLULOSIC	310.1030 & .1535[f]	15	21	5	34	19	22	15	42	50				223	404
- NONCELLULOSIC	310.1050 & .1070[g]	276	262	305	289	338	303	255	321	309				2658	2444
SPUN YARN - CELLULOSIC	310.4005 & .4030[h]	62	95	137	23	94	74	112	46	49				692	1229
- OTHER	310.4015 & .4027[i]	2503	1471	1826	1155	2219	2781	174	1751	2012				15892	29689
OTHER YARNS - NES, INCL. CHENILLE	310.6034 - .8000	2122	1933	1143	1956	1629	1099	2762	997	1451				15092	20004
HANDWORK YARNS & SEWING THREAD	310.9000 & .9310[j]	607	197	1714	585	661	789	600	556	652				6361	6741
SLIVER, TOPS & ROVING	309.9000	271	287	351	530	234	181	359	398	63				2674	4726
GLASS FIBER	309.2800 & .2900[k]	2526	2716	404	2483	2271	2344	2110	2469	1927				19250	21898
GRAND TOTAL ABOVE		39746	36972	37742	38363	42269	42762	37291	43045	39718				357908	386867

SOURCE: U.S. Census Bureau Report IM145X.

NES Not elsewhere specified.

\+ Less than 1 thousand pounds.

* These items are not reported by the Census Bureau as cellulosic vs. noncellulosic. Separation of cellulosic and noncellulosic quantities are estimated, based primarily on average declared value.

a. Also includes 310.0610.

b. Also includes 310.0530, .0550, .0630 & .0650.

c. Also includes 309.0340, .0365, .0500, .0630, .0640 & .0665.

d. There may be some acetate yarn in these data, but the Census figures do not permit a segregation.

e. Also includes 310.1210.

f. Also includes 310.2110.

g. Also includes 310.1510, .1514, .1550, 1555, .1570, .2050, .2130 & .2150.

h. Also includes 310.5005 & .5030.

i. Also includes 310.4046, .4047, .4050, .5015, .5046, .5047, .5049 & .5051.

j. Also includes 310.9320 & .9500.

k. Chiefly roving. Also includes 309.9800 & .9900.

TABLE 5:
U.S. EXPORTS OF MAN-MADE FIBER
THOUSAND POUNDS

ITEM	COMMODITY NUMBER AS OF 1/1/87	1988 JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR TO DATE 1988	1987
CELLULOSIC FIBER															
FILAMENT YARN [a]															
TEXTURED	310.0004	27	2	6	31	61	5	11	59	10				212	497
OTHER [b]	310.0026	683	991	556	1220	1231	1269	582	1212	1765				9509	4042
MONOFILAMENTS	309.0110	89	36	5	36	9	45	0	28	9				257	75
STRIPS	309.2210	0	23	0	0	10	2	0	1	0				36	75
SUBTOTAL ABOVE		799	1052	567	1287	1311	1321	593	1300	1784				10014	4689
STAPLE+TOW-RAYON	309.4222	1019	1907	1702	1468	2682	2250	1615	2034	2492				17169	29531
STAPLE-ACETATE	309.4219	89	66	309	329	146	97	209	126	374				1745	1192
SUBTOTAL ABOVE		1108	1973	2011	1797	2828	2347	1824	2160	2866				18914	30723
WASTE, ADVANCED & NOT ADVANCED	309.7400	143	251	198	86	263	42	432	235	80				1730	843
NONCELLULOSIC FIBER															
YARN - SINGLES															
NYLON - TEXTURED	310.0005 & .0007	3651	4775	4929	3355	4209	4685	5391	3916	5626				40537	25542
- HIGH TENACITY [c]	310.0027	8372	8470	8040	6580	6438	6533	8344	4836	10656				68269	59794
- OTHER	310.0029	786	1111	904	1186	1068	819	1072	978	841				8765	6846
POLYESTER - TEXTURED	310.0010	1739	2796	3405	2979	3311	2690	2371	5279	4051				28621	19521
- HIGH TENACITY [c]	310.0032	1421	1817	2189	2281	2706	2059	2534	2410	3092				20509	19580
- OTHER [d]	310.0034	207	225	265	284	135	68	239	134	55				1612	1355
OTHER - TEXTURED	310.0014	1067	1904	2220	1725	2118	1459	1720	1640	1879				15732	12743
- OLEFIN	310.0040	83	626	121	143	161	160	258	322	330				2204	568
- OTHER	310.0044	360	729	886	802	688	699	507	468	381				5520	4876
MONOFILAMENTS, ALL DENIERS															
NYLON	309.0120	658	725	515	983	523	623	289	649	399				5367	4938
POLYESTER	309.0140	1641	1789	2345	1784	1871	1713	1992	1990	1345				16470	8084
OTHER	309.0170	680	901	768	769	847	603	553	705	754				6580	5447
STRIPS	309.2220 & .2270	415	192	277	442	454	394	346	377	340				3237	3317
SUBTOTAL ABOVE		21080	26063	26864	23313	24529	22505	25616	23704	29749				223423	172611
STAPLE - NYLON	309.4240	2423	1511	1760	981	1387	1491	1575	2125	2280				15533	16233
- POLYESTER	309.4242	13519	7586	10316	10132	11435	11625	13750	11140	12917				102420	133567
- ACRYLIC	309.4245	17224	11389	16118	7723	12187	4510	8350	11085	13735				102321	40660
- OLEFIN	309.4246	1488	1604	2696	2137	1784	1876	1683	561	1102				14931	17022
- OTHER	309.4247	1228	1696	3193	1951	2312	2229	1358	2437	2178				18582	28577
GROUPED FILAMENTS															
NYLON	309.3220	693	497	469	339	601	746	639	761	632				5377	3555
POLYESTER [d]	309.3240	2106	1330	2067	794	2046	1953	1230	1764	1740				15032	15474
ACRYLIC	309.3250 & .3255	4967	2172	3809	2267	3498	2338	3049	1753	2746				26599	18668
SUBTOTAL ABOVE		43650	27785	40428	26324	35250	26768	31634	31626	37330				300795	273756
WASTE, ADVANCED & NOT ADVANCED															
- NYLON	309.7620	685	1210	1189	1492	1287	2199	1489	1661	1596				12808	8507
- POLYESTER	309.7630	3959	4435	6616	4231	4813	5219	3829	6994	6607				46703	41289
- ACRYLIC	309.7640	312	1219	923	676	970	795	671	597	620				6783	7356
- OTHER	309.7660	3765	3582	3138	3474	3605	3309	3019	3970	4094				31956	26245
SUBTOTAL ABOVE		8721	10446	11866	9873	10675	11522	9008	13222	12917				98250	83397
TOTAL MAN-MADE ABOVE		75501	67570	81934	62680	74856	64505	69107	72247	84726				653126	566019
GLASS FIBER	309.2700 & .9700	8813	9352	9114	8934	7139	8164	9712	9075	8429				78732	62819
GRAND TOTAL ABOVE		84314	76922	91048	71614	81995	72669	78819	81322	93155				731858	628838

SOURCE: U.S. Census Bureau Report EM522.

+ Less than 1 thousand pounds.

a. Includes singles and plied yarn.

b. Includes rayon tire cord.

c. Includes noncellulosic tire cord.

d. Includes zero twist yarns.

TABLE 6:
QUARTERLY MAN-MADE FIBER DATA

MILLION POUNDS

ITEM	1986 1ST Q	1986 2ND Q	1986 3RD Q	1986 4TH Q	1986 YEAR	1987 1ST Q	1987 2ND Q	1987 3RD Q	1987 4TH Q	1987 YEAR	1988 1ST Q	1988 2ND Q	1988 3RD Q	1988 4TH Q	1988 YEAR
						YARN+MONOFILAMENTS									
CELLULOSIC YARN [d]															
PRODUCTION	**54.3**	**54.7**	**54.1**	**51.7**	**214.8**	**46.2**	**46.7**	**45.2**	**53.0**	**191.1**	**49.1**	**54.4**	**54.9**		
SHIPMENTS - DOMESTIC	48.6	50.4	47.7	45.4	192.1	39.2	43.6	40.2	43.8	166.8	41.4	47.3	45.8		
- EXPORT	4.7	5.1	4.9	5.5	20.2	5.0	5.9	6.1	7.9	24.9	8.7	7.9	10.0		
TOTAL SHIPMENTS	**53.3**	**55.5**	**52.6**	**50.9**	**212.3**	**44.2**	**49.5**	**46.3**	**51.7**	**191.7**	**50.1**	**55.2**	**55.8**		
ENDING STOCK	**13.3**	**12.5**	**14.0**	**14.8**		**16.8**	**14.0**	**12.9**	**14.2**		**13.2**	**12.4**	**11.5**		
IMPORTS	3.9	4.6	3.6	4.1	16.2	3.0	2.5	2.7	4.4	12.6	4.0	4.0	4.4		
TOTAL AVAILABLE	**52.5**	**55.0**	**51.3**	**49.5**	**208.3**	**42.2**	**46.1**	**42.9**	**48.2**	**179.4**	**45.4**	**51.3**	**50.2**		
NYLON															
PRODUCTION	**396.9**	**396.5**	**398.3**	**414.6**	**1606.3**	**414.1**	**427.5**	**432.9**	**422.7**	**1697.2**	**431.7**	**440.0**	**428.8**		
SHIPMENTS - DOMESTIC	363.4	368.7	377.7	370.6	1480.4	389.3	394.8	405.8	364.4	1554.3	387.8	395.4	391.1		
- EXPORT	26.7	28.2	25.1	32.8	112.8	32.1	37.9	33.7	35.8	139.5	39.6	38.1	41.5		
TOTAL SHIPMENTS	**390.1**	**396.9**	**402.8**	**403.4**	**1593.2**	**421.4**	**432.7**	**439.5**	**400.2**	**1693.8**	**427.4**	**433.5**	**432.6**		
ENDING STOCK	**126.5**	**126.1**	**121.6**	**132.8**		**125.5**	**120.3**	**113.7**	**136.2**		**140.5**	**147.0**	**143 2**		
OLEFIN [a]															
PRODUCTION	**245.9**	**255.7**	**259.5**	**296.6**	**1057.7**	**255.8**	**283.9**	**287.4**	**306.7**	**1133.8**	**301.6**	**308.9**	**291.7**		
SHIPMENTS - DOMESTIC	241.3	258.4	257.8	291.7	1049.2	261.5	281.8	287.5	304.7	1135.5	298.3	302.5	287.7		
- EXPORT	2.4	2.9	2.6	2.6	10.5	2.7	1.7	1.8	2.1	8.3	2.7	5.9	6.0		
TOTAL SHIPMENTS	**243.7**	**261.3**	**260.4**	**294.3**	**1059.7**	**264.2**	**283.5**	**289.3**	**306.8**	**1143.8**	**301.0**	**308.4**	**293.7**		
ENDING STOCK	**67.1**	**61.5**	**60.6**	**62.9**		**54.5**	**54.9**	**53.0**	**52.9**		**53.5**	**54.0**	**52.0**		
POLYESTER															
PRODUCTION	**322.2**	**271.5**	**285.5**	**293.5**	**1172.7**	**287.7**	**303.3**	**293.9**	**293.8**	**1178.7**	**284.5**	**313.5**	**304.6**		
SHIPMENTS - DOMESTIC	284.8	253.5	273.7	280.4	1092.4	266.8	285.2	280.8	280.6	1113.4	266.7	291.9	278.2		
- EXPORT	21.8	23.8	14.3	17.4	77.3	16.4	18.4	15.8	16.3	66.9	18.8	17.8	16.7		
TOTAL SHIPMENTS	**306.6**	**277.3**	**288.0**	**297.8**	**1169.7**	**283.2**	**303.6**	**296.6**	**296.9**	**1180.3**	**285.5**	**309.7**	**294.9**		
ENDING STOCK	**123.5**	**117.7**	**115.2**	**110.9**		**115.4**	**115.1**	**112.4**	**109.3**		**108.3**	**112.1**	**121.8**		
TOTAL NONCELLULOSIC ABOVE															
PRODUCTION	**965.0**	**923.7**	**943.3**	**1004.7**	**3836.7**	**957.6**	**1014.7**	**1014.2**	**1023.2**	**4009.7**	**1017.8**	**1062.4**	**1025.1**		
SHIPMENTS - DOMESTIC	889.5	880.6	909.2	942.7	3622.0	917.6	961.8	974.1	949.7	3803.2	952.8	989.8	957.0		
- EXPORT	50.9	54.9	42.0	52.8	200.6	51.2	58.0	51.3	54.2	214.7	61.1	61.8	64.2		
SHIPMENTS	**940.4**	**935.5**	**951.2**	**995.5**	**3822.6**	**968.8**	**1019.8**	**1025.4**	**1003.9**	**4017.9**	**1013.9**	**1051.6**	**1021.2**		
ENDING STOCK	**317.1**	**305.3**	**297.4**	**306.6**		**295.4**	**290.3**	**279.1**	**298.4**		**302.3**	**313.1**	**317.0**		
DOMESTIC SHIPMENTS	889.5	880.6	909.2	942.7	3622.0	917.6	961.8	974.1	949.7	3803.2	952.8	989.8	957.0		
IMPORTS -TEXTURED YARN [b]	17.9	19.5	20.4	24.1	81.9	19.3	15.1	17.2	16.9	68.5	15.7	14.7	16.1		
-OTHER YARN [b]	12.3	13.9	14.7	14.0	54.9	13.3	12.4	11.9	11.3	48.9	11.2	11.1	11.9		
-MONOFILAMENTS	0.8	0.6	0.5	0.8	2.7	0.8	0.9	1.0	1.1	3.8	1.8	2.3	2.0		
TOTAL IMPORTS	31.0	34.0	35.6	38.9	139.5	33.4	28.4	30.1	29.3	121.2	28.7	28.1	30.0		
TOTAL AVAILABLE	**920.5**	**914.6**	**944.8**	**981.6**	**3761.5**	**951.0**	**990.2**	**1004.2**	**979.0**	**3924.4**	**981.5**	**1017.9**	**987.0**		
						GLASS FIBER									
TOTAL SHIPMENTS	**330.6**	**352.6**	**333.9**	**322.2**	**1339.3**	**366.1**	**392.5**	**383.3**	**371.2**	**1513.1**	**386.4**	**415.2**	**405.9**		
IMPORTS	7.9	6.0	4.4	5.4	23.7	4.9	5.6	11.3	7.6	29.4	5.6	7.1	6.5		

FOOTNOTES FOR TABLE ABOVE & OPPOSITE:

"Imports" are imports for consumption, as reported by the U.S. Census Bureau.

a. Also include film fiber as well as spunbonded polypropylene.

b. Includes singles and plied.

c. These figures are composites of the nylon, acrylic+modacrylic and polyester staple imports, i.e., Commodity Numbers 309.4331, .4351, .4336 & .4361.

d. Includes both rayon & acetate yarn.

e. These figures are composites of olefin and other staple imports, i.e., Commodity Numbers 309.4371, .4341 & .4390.

f. 1987-1988 data exclude Vinyon.

TABLE 6:
QUARTERLY MAN-MADE FIBER DATA *(Continued)*

MILLION POUNDS

ITEM	1986 1ST Q	1986 2ND Q	1986 3RD Q	1986 4TH Q	1986 YEAR	1987 1ST Q	1987 2ND Q	1987 3RD Q	1987 4TH Q	1987 YEAR	1988 1ST Q	1988 2ND Q	1988 3RD Q	1988 4TH Q	1988 YEAR
						STAPLE+TOW									
RAYON															
PRODUCTION	**95.1**	**99.7**	**103.4**	**105.5**	**403.7**	**101.3**	**100.5**	**103.6**	**108.4**	**413.8**	**106.6**	**101.2**	**99.4**		
SHIPMENTS - DOMESTIC	91.6	92.0	95.1	94.3	373.0	91.8	91.0	97.9	102.4	383.1	101.9	102.0	94.0		
- EXPORT	6.3	6.9	7.3	10.3	30.8	8.1	8.2	12.6	3.5	32.4	5.1	6.1	5.5		
TOTAL SHIPMENTS	**97.9**	**98.9**	**102.4**	**104.6**	**403.8**	**99.9**	**99.2**	**110.5**	**105.9**	**415.5**	**107.0**	**108.1**	**99.5**		
ENDING STOCK	**19.7**	**20.5**	**21.5**	**22.4**		**23.8**	**25.1**	**18.2**	**20.7**		**20.3**	**13.4**	**13.3**		
DOMESTIC SHIPMENTS	91.6	92.0	95.1	94.3	373.0	91.8	91.0	97.9	102.4	383.1	101.9	102.0	94.0		
IMPORTS FOR CONSUMPTION															
STAPLE	3.9	3.6	4.6	4.3	16.4	3.9	3.8	2.6	2.7	13.0	3.2	3.8	5.5		
GROUPED FILAMENTS	0.3	0.3	0.3	0.1	1.0	0.2	0.1	0.4	0.2	0.9	0.2	0.3	0.5		
TOTAL IMPORTS	4.2	3.9	4.9	4.4	17.4	4.1	3.9	3.0	2.9	13.9	3.4	4.1	6.0		
TOTAL AVAILABLE	**95.8**	**95.9**	**100.0**	**98.7**	**390.4**	**95.9**	**94.9**	**100.9**	**105.3**	**397.0**	**105.3**	**106.1**	**100.0**		
NYLON															
PRODUCTION	**220.5**	**207.4**	**236.1**	**244.3**	**908.3**	**247.4**	**261.0**	**252.8**	**231.2**	**992.4**	**231.5**	**235.9**	**226.6**		
SHIPMENTS-DOMESTIC	195.2	203.2	254.3	242.2	894.9	246.2	253.2	246.2	220.4	966.0	239.4	223.9	241.6		
-EXPORT	3.9	2.9	3.0	3.5	13.3	5.3	5.0	3.7	5.5	19.5	4.3	4.3	4.9		
TOTAL SHIPMENTS	**199.1**	**206.1**	**257.3**	**245.7**	**908.2**	**251.5**	**258.2**	**249.9**	**225.9**	**985.5**	**243.7**	**228.2**	**246.5**		
ENDING STOCK	**84.1**	**85.4**	**64.2**	**62.8**		**58.7**	**61.5**	**64.4**	**69.7**		**57.5**	**65.2**	**45.3**		
IMPORTS	11.9	10.6	14.9	14.6	52.0	14.8	8.7	8.6	6.9	39.0	4.9	5.1	5.4		
TOTAL AVAILABLE	**207.1**	**213.8**	**269.2**	**256.8**	**946.9**	**261.0**	**261.9**	**254.8**	**227.3**	**1005.0**	**244.3**	**229.0**	**247.0**		
ACRYLIC+MODACRYLIC															
PRODUCTION	**149.0**	**151.1**	**158.0**	**157.8**	**615.9**	**155.7**	**159.0**	**135.3**	**141.5**	**591.5**	**148.8**	**150.9**	**141.5**		
SHIPMENTS-DOMESTIC	123.1	143.7	138.7	125.7	531.2	139.4	131.6	112.8	95.5	479.3	109.0	109.3	107.3		
-EXPORT	27.1	19.2	17.8	18.8	82.9	14.7	17.0	32.0	51.4	115.1	47.7	29.1	39.8		
TOTAL SHIPMENTS	**150.2**	**162.9**	**156.5**	**144.5**	**614.1**	**154.1**	**148.6**	**144.8**	**146.9**	**594.4**	**156.7**	**138.4**	**147.1**		
ENDING STOCK	**63.2**	**51.4**	**52.9**	**66.2**		**67.8**	**78.2**	**68.7**	**63.3**		**55.4**	**67.9**	**62.3**		
IMPORTS	3.2	4.0	5.3	4.9	17.4	3.3	4.1	4.6	3.7	15.7	3.3	4.4	3.3		
TOTAL AVAILABLE	**126.3**	**147.7**	**144.0**	**130.6**	**548.6**	**142.7**	**135.7**	**117.4**	**99.2**	**495.0**	**112.3**	**113.7**	**110.6**		
OLEFIN+VINYON [f]															
PRODUCTION	**82.4**	**82.3**	**84.7**	**85.9**	**335.3**	**85.5**	**92.3**	**92.1**	**90.6**	**360.5**	**94.3**	**94.5**	**85.9**		
SHIPMENTS-DOMESTIC	73.9	82.6	76.4	79.8	312.7	81.1	85.7	86.1	88.2	341.1	83.8	87.6	84.8		
-EXPORT	4.2	4.8	4.8	5.0	18.8	6.9	5.7	5.4	4.8	22.8	5.6	5.8	4.4		
TOTAL SHIPMENTS	**78.1**	**87.4**	**81.2**	**84.8**	**331.5**	**88.0**	**91.4**	**91.5**	**93.0**	**363.9**	**89.4**	**93.4**	**89.2**		
ENDING STOCK	**34.0**	**28.9**	**32.4**	**33.5**		**31.0**	**31.9**	**32.5**	**30.1**		**35.0**	**36.1**	**32.8**		
POLYESTER															
PRODUCTION	**520.8**	**538.7**	**522.1**	**550.7**	**2132.3**	**581.0**	**596.2**	**578.4**	**606.2**	**2361.8**	**587.4**	**619.5**	**604.3**		
SHIPMENTS-DOMESTIC	499.1	499.9	496.3	503.3	1998.6	534.4	549.9	537.5	579.2	2201.0	558.3	572.5	551.2		
-EXPORT	25.7	25.0	31.6	42.5	124.8	48.2	47.0	38.3	34.7	168.2	27.8	31.1	38.2		
TOTAL SHIPMENTS	**524.8**	**524.9**	**527.9**	**545.8**	**2123.4**	**582.6**	**596.9**	**575.8**	**613.9**	**2369.2**	**586.1**	**603.6**	**589.4**		
ENDING STOCK	**151.0**	**164.8**	**159.0**	**163.9**		**162.3**	**161.6**	**164.2**	**156.5**		**157.8**	**173.7**	**188.6**		
IMPORTS	9.3	8.9	8.7	13.9	40.8	15.5	17.4	23.4	14.4	70.7	15.0	20.7	22.3		
TOTAL AVAILABLE	**508.4**	**508.8**	**505.0**	**517.2**	**2039.4**	**549.9**	**567.3**	**560.9**	**593.6**	**2271.7**	**573.3**	**593.2**	**573.5**		
TOTAL NONCELLULOSIC															
PRODUCTION	**972.7**	**979.5**	**1000.9**	**1038.7**	**3991.8**	**1069.6**	**1108.5**	**1058.6**	**1069.5**	**4306.2**	**1062.0**	**1100.8**	**1058.3**		
SHIPMENTS-DOMESTIC	891.3	929.4	965.7	951.0	3737.4	1001.1	1020.4	982.6	983.3	3987.4	990.5	993.3	984.9		
-EXPORT	60.9	51.9	57.2	69.8	239.8	75.1	74.7	79.4	96.4	325.6	85.4	70.3	87.3		
TOTAL SHIPMENTS	**952.2**	**981.3**	**1022.9**	**1020.8**	**3977.2**	**1076.2**	**1095.1**	**1062.0**	**1079.7**	**4313.0**	**1075.9**	**1063.6**	**1072.2**		
ENDING STOCK	**332.3**	**330.5**	**308.5**	**326.4**		**319.8**	**333.2**	**329.8**	**319.6**		**305.7**	**342.9**	**329.0**		
DOMESTIC SHIPMENTS	891.3	929.4	965.7	951.0	3737.4	1001.1	1020 4	982.6	983.3	3987.4	990.5	933.3	984.9		
IMPORTS FOR CONSUMPTION															
3 FIBERS ABOVE [c]	24.4	23.5	28.9	33.4	110.2	33.6	30.2	36.6	25.0	125.4	23.2	30.2	31.0		
OTHER N.C. STAPLE [e]	7.2	4.4	2.5	2.0	16.1	2.8	3.6	3.7	3.4	13.5	5.6	5.7	4.3		
GROUPED FILAMENTS	14.4	15.0	14.7	12.4	56.5	12.4	12.4	12.1	13.1	50.0	14.5	17.8	15.7		
TOTAL IMPORTS	46.0	42.9	46.1	47.8	182.8	48.8	46.2	52.4	41.5	188.9	43.3	53.7	51.0		
TOTAL AVAILABLE	**937.3**	**972.3**	**1011.8**	**998.8**	**3920.2**	**1049.9**	**1066.6**	**1035.0**	**1024.8**	**4176.3**	**1033.8**	**1047.0**	**1035.9**		

See footnotes on opposite page.

TABLE 7:
SELECTED U.S. MONTHLY FIBER DATA

MILLION POUNDS

ITEM	1988 JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR TO DATE[a] 1988	1987
MAN-MADE FIBER TOTAL SHIPMENTS[b,c]														
CELLULOSIC														
YARN	15.9	16.1	18.1	19.4	18.3	17.5	19.1	18.6	18.1	18.6			179.7	157.1
RAYON STAPLE	32.6	35.9	38.5	35.5	36.4	36.2	29.1	36.1	34.3	34.8			349.4	346.1
TOTAL CELLULOSIC	**48.5**	**52.0**	**56.6**	**54.9**	**54.7**	**53.7**	**48.2**	**54.7**	**52.4**	**53.4**			**529.1**	**503.2**
NONCELLULOSIC														
YARN+MONOFILAMENTS														
NYLON - INDUSTRIAL[d]	27.5	32.1	34.8	32.2	30.8	32.4	32.4	28.8	29.2	29.9			310.1	312.7
- CARPET	72.6	80.7	84.6	80.7	81.9	79.3	73.7	89.4	87.1	87.8			817.8	804.3
- TEXTILE[f]	30.0	31.2	33.9	31.7	32.0	32.5	27.7	32.3	32.0	32.9			316.2	316.5
POLYESTER - INDUSTRIAL[d]	26.5	29.3	30.7	31.3	29.4	32.3	29.3	29.0	29.5	31.4			298.7	282.9
- TEXTILE[f]	62.9	68.4	67.7	74.3	71.9	70.5	70.2	66.7	69.1	77.5			699.2	701.7
OLEFIN[e]	97.2	101.4	102.4	102.7	102.9	102.8	89.0	99.6	105.1	99.6			1002.7	936.7
TOTAL YARN	**316.7**	**343.1**	**354.1**	**352.9**	**348.9**	**349.8**	**322.3**	**345.8**	**352.0**	**359.1**			**3444.7**	**3354.8**
STAPLE+TOW+FIBERFILL														
NYLON	78.4	81.7	83.6	71.0	77.9	79.3	75.0	90.2	81.3	89.6			808.0	848.0
ACRYLIC+MODACRYLIC	48.5	52.8	55.4	45.4	45.6	47.4	42.1	53.2	51.8	48.8			491.0	498.9
POLYESTER	190.4	200.4	195.3	212.1	195.8	195.7	190.9	195.7	203.1	228.3			2007.7	1960.6
OLEFIN	29.1	29.6	30.7	29.8	31.2	32.4	26.9	32.1	30.2	29.0			301.0	302.2
TOTAL STAPLE	**346.4**	**364.5**	**365.0**	**358.3**	**350.5**	**354.8**	**334.9**	**371.2**	**366.4**	**395.7**			**3607.7**	**3609.7**
TOTAL NONCELLULOSIC	**663.1**	**707.6**	**719.1**	**711.2**	**699.4**	**704.6**	**657.2**	**717.0**	**718.4**	**754.8**			**7052.4**	**6964.5**
TOTAL MAN-MADE FIBER	**711.6**	**759.6**	**775.7**	**766.1**	**754.1**	**758.3**	**705.4**	**771.7**	**770.8**	**808.2**			**7581.5**	**7467.7**
MAN-MADE FIBER END OF MONTH STOCK														
CELLULOSIC														
YARN	12.3	13.3	13.2	14.0	12.8	12.4	13.4	11.6	11.5	12.3			12.3	12.0
RAYON STAPLE	23.5	22.5	20.3	18.0	16.5	13.4	15.5	13.7	13.3	12.6			12.6	16.3
TOTAL CELLULOSIC	**35.8**	**35.8**	**33.5**	**32.0**	**29.3**	**25.8**	**28.9**	**25.3**	**24.8**	**24.9**			**24.9**	**28.3**
NONCELLULOSIC														
YARN+MONOFILAMENTS														
NYLON - INDUSTRIAL[d]	26.6	25.7	23.5	23.3	25.2	24.7	28.1	30.4	30.5	28.6			28.6	22.2
- CARPET	72.0	66.5	67.0	67.1	70.2	71.9	78.0	61.9	58.1	53.3			53.3	47.6
- TEXTILE[f]	54.6	53.1	50.0	49.7	51.2	50.4	55.3	55.2	54.6	52.9			52.9	46.4
POLYESTER - INDUSTRIAL[d]	29.8	29.2	28.8	29.6	30.5	29.2	33.3	32.4	31.4	30.7			30.7	23.5
- TEXTILE[f]	82.5	81.5	79.5	77.3	79.7	82.9	94.4	94.4	90.4	90.0			90.0	86.0
OLEFIN[e]	54.4	55.0	53.5	54.1	54.5	54.0	55.3	53.7	52.0	50.6			50.6	54.1
TOTAL YARN	**319.9**	**311.0**	**302.3**	**301.1**	**311.3**	**313.1**	**344.4**	**328.0**	**317.0**	**306.1**			**306.1**	**279.8**
STAPLE+TOW+FIBERFILL														
NYLON	63.4	64.7	57.5	64.4	60.5	65.2	66.5	60.6	45.3	39.9			39.9	61.7
ACRYLIC+MODACRYLIC	62.4	58.8	55.4	57.9	63.7	67.9	72.8	67.3	62.3	63.1			63.1	63.8
POLYESTER	173.7	168.3	157.8	161.8	167.4	173.7	205.7	194.9	188.6	177.5			177.5	166.5
OLEFIN	32.5	33.7	35.0	35.8	37.8	36.1	38.5	38.4	32.8	34.2			34.2	32.6
TOTAL STAPLE	**332.0**	**325.5**	**305.7**	**319.9**	**329.4**	**342.9**	**383.5**	**361.2**	**329.0**	**314.7**			**314.7**	**324.6**
TOTAL NONCELLULOSIC	**651.9**	**636.5**	**608.0**	**621.0**	**640.7**	**656.0**	**727.9**	**689.2**	**646.0**	**620.8**			**620.8**	**604.4**
TOTAL MAN-MADE FIBER	**687.7**	**672.3**	**641.5**	**653.0**	**670.0**	**681.8**	**756.8**	**714.5**	**670.8**	**645.7**			**645.7**	**632.7**
WOOL & COTTON CONSUMPTION														
APPAREL CLASS WOOL	12.9	11.7	14.1	11.3	11.5	13.5	11.6	9.5	10.5				106.6	117.9
CARPET CLASS WOOL	1.4	1.5	1.6	1.4	1.4	1.1	1.1	1.4	1.5				12.4	10.0
TOTAL RAW WOOL	14.3	13.2	15.7	12.7	12.9	14.6	12.7	10.9	12.0				119.0	127.9
RAW COTTON	300.0	311.4	339.3	278.0	302.6	297.4	226.4	240.6	375.9				2671.6	2813.0

a. "Year to date" totals for stock, are the latest month's figures.
b. The monthly production of each fiber may be calculated as total shipments plus a stock increase, or less a stock decrease, over the month.
c. Producers' total domestic shipments plus export shipments.
d. Industrial is defined as 500 denier and coarser with an Instron tenacity of 7 grams or more per denier.
e. Olefin yarn+monofilaments also includes spunbonded polypropylene and film fiber produced for textile end uses.
f. Includes low denier industrial yarn.

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